

Advanced Light Source Welcome

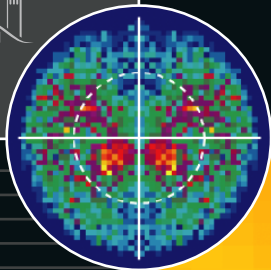
The Advanced Light Source (ALS), a national user facility located at Ernest Orlando Lawrence Berkeley National Laboratory of the University of California, is available to researchers from academia, industry, and government laboratories. Operation of the ALS is funded by the Department of Energy's Office of Basic Energy Sciences.

This Compendium contains abstracts written by users summarizing research completed or in progress during 2001. Two tables of contents organize the abstracts by beamline and by subject, and a list of funding institutions is also provided. Technical details for each beamline, including whom to contact for additional information, can be found in the beamline information section. The most current information on ALS beamlines can be found on the ALS Web pages (<http://www-als.lbl.gov/>).

The material in this Compendium, along with material from previous years, is also available on the World Wide Web (<http://alspubs.lbl.gov/compendium/>). The Web version allows searches by beamline, author name, subject, year, and other parameters.

The Compendium is intended to complement the Advanced Light Source Activity Report, which presents an overview of the scientific program, ongoing research and development efforts, and operations.

Edited and designed by the Technical and Electronic Information Department (TEID) Creative Services



Advanced Light Source Related Publications

The following publications are available from the ALS User Services Office.

ALS Activity Report
1996/97, 1997/98, 1999, 2000

ALS Compendium of User Abstracts and Technical Reports*
1993–1996, 1997, 1998

Workshop on Scientific Directions at the Advanced Light Source:
Summary and Reports of the Working Groups

Soft X-Ray Spectromicroscopy:
Materials Characterization on a Microscale

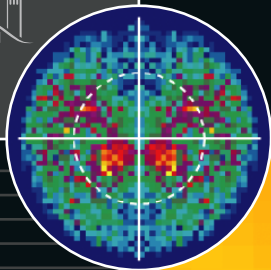
ALS Users' Handbook

The following publications are available online in PDF format at
<http://www-als.lbl.gov/als/publications/genpubs.html>.

World Class Protein Crystallography:
The Macromolecular Crystallography Facility at the Advanced Light Source

The Atomic and Molecular Facility at Beamline 10.0.1

*The production of printed copies of the Compendium were discontinued as of 1999;
a CD version is now distributed with the Activity Report.



Advanced Light Source

ALS Contacts

ALS Division Director
Daniel S. Chemla
Tel: (510) 486-7988
Fax: (510) 486-4960
Email: dschemla@lbl.gov

User Services Group Leader
Gary Krebs
Tel: (510) 486-7727
Fax: (510) 486-4773
Email: gfkrebs@lbl.gov

ALS Deputy Division Director
Ben Feinberg
Tel: (510) 486-7725
Fax: (510) 486-4960
Email: b_feinberg@lbl.gov

User Program Administrator
Jeremy Coyne
Tel: (510) 486-7745 or 486-4518
Fax: (510) 486-4773
Email: jdcoyne@lbl.gov

ALS Division Deputy for Science
Neville Smith
Tel: (510) 486-5423
Fax: (510) 486-4960
Email: nvsmith@lbl.gov

ALS USERS' EXECUTIVE COMMITTEE CHAIR

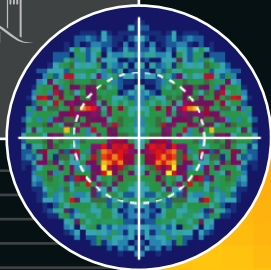
2002

Roger Falcone
Department of Physics
366 Le Conte Hall
University of California, Berkeley
Berkeley, CA 94720
Tel: (510) 642-8916
Fax: (510) 643-8497
Email: rwf@physics.berkeley.edu

2003

Jennifer Doudna
Department of Molecular Biophysics and Biochemistry
266 Whitney Avenue
Yale University
New Haven, CT 06520
Tel: (203) 432-3108
Fax: (203) 432-3104
Email: doudna@csb.yale.edu

ALS HOME PAGE: www-als.lbl.gov



Advanced Light Source Disclaimer

This document was prepared as an account of work sponsored by the United States Government. While this document is believed to contain correct information, neither the United States Government nor any agency thereof, nor The Regents of the University of California, nor any of their employees, makes any warranty, express or implied, or assumes any legal responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by its trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or The Regents of the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof, or The Regents of the University of California.

Available to DOE and DOE Contractors from the Office of Scientific and Technical Communication
P.O. Box 62, Oak Ridge, TN 37831
Prices available from (615) 576-8401

Available to the public from the National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road, Springfield, VA 22161

Ernest Orlando Lawrence Berkeley National Laboratory is an equal opportunity employer.